

PRECURSORS TO FLUOROALKANOL-CONTAINING OLEFIN MONOMERS,
AND ASSOCIATED METHODS OF SYNTHESIS AND USE

ABSTRACT

The invention provides alkene fluoroalkanol and fluorinated polyol precursors to fluoroalkanol-substituted α,β -unsaturated esters. The fluoroalkanol-substituted α,β -unsaturated esters are olefins that can be readily polymerized to provide fluoroalkanol-substituted polymers useful in lithographic photoresist compositions. Also provided are methods for synthesizing the alkene fluoroalkanol and fluorinated polyol precursors.